

FORM PTO-1449

ATTY. DOCKET NO.
10008-7195CSERIAL NO.
10/627,297CONFIRM
NO.LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENTAPPLICANT
Heller *et al.*CUSTOMER NO.
24961FILING DATE
July 24, 2003ART GROUP
1711

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	Item No.	DOCUMENT NUMBER								DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>SA</i>	A	0	0	3	7	3	0	0	0	03/28/02	Ng <i>et al.</i>	424	401	05/11/01
	B	0	0	8	2	3	6	2	2	06/27/02	Brocchini <i>et al.</i>	525	401	09/06/01
	C	0	0	9	0	3	9	8	8	07/11/02 A1	Dunn <i>et al.</i>	424	486	01/14/02
	D	0	1	3	0	4	7	2	2	07/10/03	Ng <i>et al.</i>	528	73	12/24/02
	E	0	1	3	8	4	7	4	4	07/24/03	Ng <i>et al.</i>	424	425	11/14/02
	F	0	1	5	2	6	3	0	0	08/14/03 A1	Ng <i>et al.</i>	424	486	05/02/02
	G	0	1	6	8	3	3	6	6	11/14/02	Ng <i>et al.</i>	424	78.38	05/11/01
	H	0	1	7	6	8	4	4	4	11/28/02	Ng <i>et al.</i>	424	78.38	05/11/01
	I	3	2	6	8	5	5	0	0	08/23/66	Heller	260	315	08/26/63
	J	4	0	1	4	9	8	7	7	03/29/77	Heller <i>et al.</i>	424	15	06/30/75
	K	4	1	3	1	6	4	8	8	12/26/78	Choi <i>et al.</i>	424	22	03/02/78
	L	4	1	8	0	0	6	4	4	12/25/79	Heller <i>et al.</i>	128	130	12/15/76
	M	4	2	4	9	5	3	1	1	02/10/81	Heller <i>et al.</i>	128	260	07/05/79
	N	4	2	6	1	9	6	9	9	04/14/81	Heller	424	19	05/03/79
	O	4	5	0	2	9	7	6	6	03/05/85	Heller	252	315.4	10/25/82
	P	4	5	1	3	1	4	3	3	04/23/85	Ng <i>et al.</i>	549	335	12/01/82
	Q	4	5	3	2	3	3	5	5	07/30/85	Helwing	549	335	03/07/83
	R	4	5	4	8	9	9	0	0	10/22/85	Mueller <i>et al.</i>	525	123	08/15/83
	S	4	5	4	9	0	1	0	0	10/22/85	Sparer <i>et al.</i>	528	361	06/27/84
	T	4	5	9	0	1	9	0	0	5/20/86	Saito <i>et al.</i>	514	221	07/01/83
<i>SA</i>	U	4	6	0	5	6	7	0	0	08/12/86	Saito <i>et al.</i>	514	619	02/01/84

EXAMINER

Sam A. Acquah

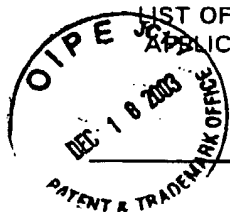
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Title: **BLOCK COPOLYMERS BASED ON POLY(ORTHO ESTERS) CONTAINING AMINE GROUPS**

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STATEMENT

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EXAMINER INITIAL	Item No.	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
SA	V	4	6	3	9	3	6	6	01/27/87	Heller	424	19	06/06/84
	W	4	6	9	0	6	8	2	09/01/87	Lim	604	891	01/14/86
	X	4	6	9	0	8	2	5	09/01/87	Won	424	501	10/04/85
	Y	4	7	1	0	4	9	7	12/01/87	Heller <i>et al.</i>	514	221	05/31/85
	Z	4	7	1	3	4	4	1	12/15/87	Heller <i>et al.</i>	528	392	08/01/86
	AA	4	7	3	8	9	3	2	04/19/88	Yabusaki	436	511	12/03/85
	AB	4	7	4	5	1	6	0	05/17/88	Churchill <i>et al.</i>	525	415	06/21/85
	AC	4	7	5	2	6	1	2	06/21/88	Saito <i>et al.</i>	514	420	01/23/86
	AD	4	7	6	5	9	7	3	08/23/88	Heller	424	486	10/06/86
	AE	4	8	0	1	4	5	7	01/31/89	Heller <i>et al.</i>	424	422	10/07/87
	AF	4	8	0	6	3	6	0	02/21/89	Leong <i>et al.</i>	424	487	10/23/87
	AG	4	8	1	8	5	4	2	04/04/89	DeLuca <i>et al.</i>	424	491	03/31/86
	AH	4	8	4	9	4	2	6	07/18/89	Pearlman	514	274	12/02/87
	AI	4	8	5	5	1	4	4	08/08/89	Leong <i>et al.</i>	424	487	06/14/88
	AJ	4	8	9	8	9	2	8	02/06/90	Heller <i>et al.</i>	528	392	03/07/88
	AK	4	9	2	3	6	4	5	05/08/90	Tsang <i>et al.</i>	264	4.3	11/16/87
	AL	4	9	3	8	7	6	3	07/04/95 B1	Dunn <i>et al.</i>	604	891.1	04/27/93
	AM	4	9	6	3	3	6	9	10/16/90	Song <i>et al.</i>	426	5	01/19/89
	AN	5	0	1	3	5	5	3	05/07/91	Southard <i>et al.</i>	424	426	08/29/89
	AO	5	0	1	3	8	2	1	05/07/91	Heller <i>et al.</i>	528	376	06/15/89
SA	AP	5	0	2	8	4	3	5	07/02/91	Katz <i>et al.</i>	424	484	05/22/89
	AQ	5	0	3	0	4	5	7	07/09/91	Ng <i>et al.</i>	424	486	08/28/89

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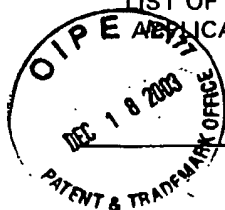
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EXAMINER INITIAL	Item No.	DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
SA	AR	5	0	4	7	4	6	4	09/10/91	Pogany <i>et al.</i>	524	500	09/20/89
	AS	5	0	7	7	0	4	9	12/31/91	Dunn <i>et al.</i>	424	426	07/24/89
	AT	5	1	0	8	7	5	5	04/28/92	Daniels <i>et al.</i>	424	426	04/27/89
	AU	5	1	2	8	3	7	6	07/07/92	Saito <i>et al.</i>	514	772	09/04/90
	AV	5	1	3	5	7	4	0	08/04/92	Katz <i>et al.</i>	424	401	10/02/89
	AW	5	1	4	5	6	7	5	09/08/92	Won	424	78.31	01/23/91
	AX	5	1	8	8	8	4	4	02/23/93	Ahena <i>et al.</i>	424	574	05/07/92
	AY	5	2	1	7	7	1	2	06/08/93	Pogany <i>et al.</i>	424	78.18	06/17/91
	AZ	5	2	4	0	7	1	5	08/31/93	Ahene <i>et al.</i>	424	574	12/14/92
	BA	5	2	5	6	4	0	0	10/26/93	Froix <i>et al.</i>	424	45	12/04/91
	BB	5	2	6	1	1	6	9	11/16/93	Williford	36	43	10/11/91
	BC	5	2	7	8	2	0	1	01/11/94	Dunn <i>et al.</i>	523	113	04/24/90
	BD	5	3	1	6	7	7	4	05/31/94	Eury <i>et al.</i>	424	501	12/09/91
	BE	5	3	2	4	5	1	9	06/28/94	Dunn <i>et al.</i>	424	426	10/28/91
	BF	5	3	2	4	5	2	0	06/28/94	Dunn <i>et al.</i>	424	435	04/13/93
	BG	5	3	3	4	6	4	0	08/02/94	Desai <i>et al.</i>	524	56	04/08/92
	BH	5	3	3	6	5	0	5	08/09/94	Ng <i>et al.</i>	424	486	07/08/91
	BI	5	3	4	0	8	4	9	08/23/94	Dunn <i>et al.</i>	523	113	12/23/91
	BJ	5	3	6	8	8	5	9	11/29/94	Dunn <i>et al.</i>	424	426	06/29/93
	BK	5	4	0	7	6	0	9	04/18/95	Tice <i>et al.</i>	264	46	05/17/93
	BL	5	4	2	2	1	2	1	06/06/95	Lehmann <i>et al.</i>	424	464	08/16/93
SA	BM	5	4	4	9	6	7	0	09/12/95	Skinner <i>et al.</i>	514	3	06/23/94
	BN	5	4	5	8	8	9	0	10/17/95	Williford <i>et al.</i>	426	3	06/04/91

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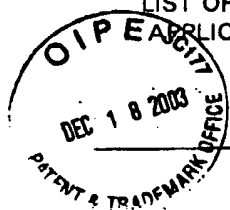
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<i>JA</i>	BO	5	4	6	1	1	4	0	10/24/95	Heller <i>et al.</i>	528	425	11/15/93
	BP	5	4	8	7	8	9	7	01/30/96	Polson <i>et al.</i>	424	426	09/28/93
	BQ	5	5	0	5	9	6	6	04/09/96	Edman <i>et al.</i>	424	493	02/24/93
	BR	5	5	1	0	1	1	6	04/23/96	Froix <i>et al.</i>	424	486	07/21/93
	BS	5	5	1	8	7	3	0	05/21/96	Fuisz	424	426	06/03/92
	BT	5	5	2	5	6	3	4	06/11/96	Sintov <i>et al.</i>	514	777	02/10/94
	BU	5	5	4	0	9	1	2	07/30/96	Roorda <i>et al.</i>	424	422	09/30/94
	BV	5	5	9	9	5	5	2	02/04/97	Dunn <i>et al.</i>	424	423	05/26/94
	BW	5	6	0	5	9	3	3	02/25/97	Duffy <i>et al.</i>	514	557	07/20/95
	BX	5	6	0	7	6	8	6	03/04/97	Totakura <i>et al.</i>	424	426	11/22/94
	BY	5	6	2	0	6	9	7	04/15/97	Tormala <i>et al.</i>	424	426	12/31/93
	BZ	5	6	2	7	1	8	7	05/06/97	Katz	514	274	04/12/95
	CA	5	6	3	2	7	2	7	05/27/97	Tipton <i>et al.</i>	602	47	06/07/95
	CB	5	6	6	0	8	4	9	08/26/97	Polson <i>et al.</i>	424	426	08/23/94
	CC	5	6	8	1	8	7	3	10/28/97	Norton <i>et al.</i>	523	115	10/14/93
	CD	5	7	0	2	7	1	6	12/30/97	Dunn <i>et al.</i>	424	422	06/02/93
	CE	5	7	2	5	4	9	1	03/10/98	Tipton <i>et al.</i>	602	43	11/08/94
	CF	5	7	3	3	9	5	0	03/31/98	Dunn <i>et al.</i>	523	113	09/25/95
	CG	5	7	3	9	1	7	6	04/14/98	Dunn <i>et al.</i>	523	113	03/18/94
	CH	5	7	4	4	1	5	3	04/28/98	Yewey <i>et al.</i>	424	426	06/09/97
	CI	5	7	5	9	5	6	3	06/02/98	Yewey <i>et al.</i>	424	426	06/07/95
	CJ	5	7	8	0	0	4	4	07/14/98	Yewey <i>et al.</i>	424	426	12/05/96
<i>JA</i>	CK	5	7	8	3	2	0	5	07/21/98	Berggren <i>et al.</i>	424	426	04/10/97

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JA	CL	5	7	9	2	4	6	9	08/11/98	Tipton <i>et al.</i>	424	422	06/07/95
	CM	5	8	2	4	3	4	3	10/20/98	Ng <i>et al.</i>	424	486	04/11/94
	CN	5	8	3	7	2	2	8	11/17/98	Shih <i>et al.</i>	424	78.37	09/02/92
	CO	5	8	4	0	2	9	3	11/24/98	Nacht <i>et al.</i>	424	78.02	05/17/94
	CP	5	8	4	9	3	2	7	12/15/98	Berliner <i>et al.</i>	424	463	09/27/96
	CQ	5	8	5	1	5	3	8	12/22/98	Froix <i>et al.</i>	424	401	12/29/95
	CR	5	8	7	1	7	2	2	02/16/99	Nacht <i>et al.</i>	424	78.03	04/11/95
	CS	5	8	7	9	7	1	6	03/09/99	Katz <i>et al.</i>	424	501	06/14/93
	CT	5	8	9	1	4	7	0	04/06/99	Rinaldi <i>et al.</i>	424	451	04/17/98
	CU	5	9	1	6	5	9	7	06/29/99	Lee <i>et al.</i>	424	501	08/29/96
	CV	5	9	4	5	1	1	5	08/31/99	Dunn <i>et al.</i>	424	422	08/08/97
	CW	5	9	5	5	1	0	9	09/21/99	Won <i>et al.</i>	424	501	06/17/93
	CX	5	9	9	0	1	9	4	11/23/99	Dunn <i>et al.</i>	523	113	11/07/97
	CY	5	9	9	3	8	5	6	11/30/99	Ragavan <i>et al.</i>	424	489	11/17/97
	CZ	6	0	0	7	8	4	5	12/28/99	Domb <i>et al.</i>	424	501	01/22/96
	DA	6	0	7	1	5	3	0	06/06/00	Polson <i>et al.</i>	424	426	06/26/97
	DB	6	0	8	3	5	2	1	07/04/00	Acemoglu <i>et al.</i>	424	422	09/28/98
	DC	6	0	9	6	3	4	4	08/01/00	Liu <i>et al.</i>	424	501	02/24/97
	DD	6	1	4	3	3	1	4	11/07/00	Chandrashekar <i>et al.</i>	424	426	10/28/98
	DE	6	1	5	9	4	9	1	12/12/00	Durrani	424	430	02/12/99
	DF	6	1	6	6	1	7	3	12/26/00	Mao <i>et al.</i>	528	398	04/02/98
JA	DG	6	1	9	3	9	9	1	02/27/01	Shukla	424	426	10/28/98

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SA	DH	6	2	0	6	9	2	0	03/27/01 B1	Eliaz <i>et al.</i>	623	16.11	12/23/98
	DI	6	2	1	7	8	9	5	04/17/01 B1	Guo <i>et al.</i>	424	427	03/22/99
	DJ	6	2	3	8	7	0	5	05/29/01 B1	Liu <i>et al.</i>	424	501	05/05/00
	DK	6	2	4	5	3	4	5	06/12/01 B1	Swanborn <i>et al.</i>	424	402	06/07/98
	DL	6	2	6	1	5	8	3	07/17/01 B1	Dunn <i>et al.</i>	424	422	07/28/98
	DM	6	2	6	2	1	2	7	07/17/01 B1	Acemoglu <i>et al.</i>	514	772.7	07/20/99
	DN	6	2	8	1	0	1	5	08/28/01 B1	Mooney <i>et al.</i>	435	395	12/16/94
	DO	6	2	8	7	5	8	8	09/11/01 B1	Shih <i>et al.</i>	424	426	04/27/00
	DP	6	3	3	1	3	1	1	12/18/01 B1	Brodbeck <i>et al.</i>	424	425	12/18/97
	DQ	6	3	7	2	2	4	5	04/16/02 B1	Bowman <i>et al.</i>	424	427	04/22/94
	DR	6	3	9	5	2	9	3	05/28/02 B2	Polson <i>et al.</i>	424	426	03/08/00
	DS	6	5	2	4	6	0	6	02/25/03 B1	Ng <i>et al.</i>	424	425	11/16/01
	DT	6	5	9	0	0	5	9	07/08/03 B2	Ng <i>et al.</i>	528	220	05/11/01
SA	DU	6	6	1	3	3	5	5	09/02/03 B2	Ng <i>et al.</i>	424	462	05/11/01

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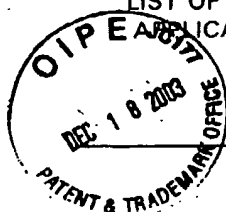
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FOREIGN PATENT DOCUMENTS

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											Yes	No
JAA	DV	0	0	0	0	1	5	9	01/06/00	PCT A2		
	DW	0	1	1	5	7	3	4	03/08/01	PCT A2		
	DX	0	1	3	5	9	2	9	05/25/01	PCT A2		
	DY	0	1	7	4	4	1	1	10/11/01	PCT A1		
	DZ	0	1	8	5	1	3	9	11/15/01	PCT A2		
	EA	0	2	0	9	2	0	61	11/21/02	PCT A1		
	EB	0	2	0	9	2	6	55	11/21/02	PCT A1		
	EC	0	2	0	9	2	6	61	11/21/02	PCT A1		
	ED	0	2	2	0	6	6	3	03/14/02	PCT A2		
	EE	0	2	9	1	6	6	8	07/11/91	DD A7		X*
	EF	0	3	0	4	4	4	46	05/30/03	PCT A1		X*
	EG	0	3	2	2	3	9	2	06/28/89	EP A1		
	EH	0	4	1	9	1	5	6	03/27/91	EP A2		
	EI	0	4	6	6	5	6	6	01/15/92	EP A2		
	EJ	0	4	7	1	0	3	6	01/17/96	EP B1		
	EK	0	4	8	5	8	4	0	05/20/92	EP A2 & A3		X+
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EXAMINER

Sam A. ACQUAH

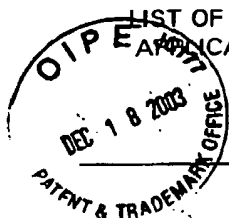
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FORM PTO-1449

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Heller *et al.*CUSTOMER NO.
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Item No.	DOCUMENT NUMBER							DATE	COUNTRY	Translation	
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	EX	8	9	1	0	1	3	2	11/02/89	PCT		
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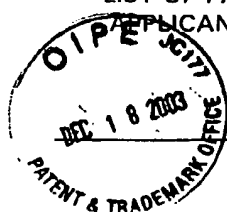
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	FT	9	7	2	7	8	4	3	08/07/97	PCT A1		
	FU	9	7	3	9	7	4	6	10/30/97	PCT A1		
	FV	9	9	5	3	9	0	4	10/28/99	PCT A1		

X* = An English language Derwent abstract is provided.

X+ = An English language equivalent is provided.

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

JA	FW	Andriano <i>et al.</i> , "Preliminary effects of in vitro lipid exposure on absorbable poly(ortho ester) films," <i>J Appl Biomater.</i> <u>6(2)</u> :129-35 (1995)
	FX	Ashford <i>et al.</i> , "An evaluation of pectin as a carrier for drug targeting to the colon," <i>Chemical Abstracts</i> <u>119</u> :278554r (1993) pp.514
	FY	Barr <i>et al.</i> "Post surgical pain management with poly(ortho esters)," <i>Adv Drug Deliv Rev.</i> <u>54(7)</u> :1041-8 (2002)
	FZ	Bernatchez <i>et al.</i> "Biotolerance of a semisolid hydrophobic biodegradable poly(ortho ester) for controlled drug delivery," <i>J Biomed Mater Res.</i> <u>27(5)</u> :677-81 (1993)
	GA	Beyerstedt <i>et al.</i> , "The Preparation And Properties of Ketene Diethylacetal", <i>J. Amer. Chem. Soc.</i> , 58, 529-531 (1936)
	GB	Castillo <i>et al.</i> "Glucocorticoids Prolong Rat Sciatic Nerve Blockade In Vivo from Bupivacaine Microspheres," <i>Anesthesiology</i> <u>85(3)</u> :1157-1166 (1996)
	GC	Chia <i>et al.</i> "Auto-catalyzed poly(ortho ester) microspheres: a study of their erosion and drug release mechanism," <i>J Control Release.</i> <u>75(1-2)</u> :11-25 (2001)

EXAMINER

Sam A. Acord

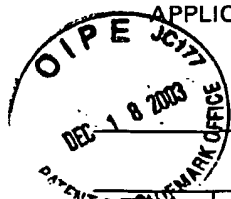
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GD	Contemporary Polymer Chemistry 3rd Ed. Allcock <i>et al.</i> (eds.) Upper Saddle River, New Jersey: Pearson Education, Inc. Ch.1 pp. 11-12 (2003)
GE	Corey <i>et al.</i> , "Selective Cleavage of Allyl Ethers under Mild Conditions by Transition Metal Regents", <i>J. Org. Chem.</i> , <u>38</u> (18):3224 (1973)
GF	Dahl JB <i>et al.</i> "Wound inflation with local anaesthetics for postoperative pain relief," <i>Acta Anaesthesiol Scand</i> <u>38</u> :7-14 (1994)
GG	Derwent Abstract, Accession Number 10473386 for German Patent Application DE 4415204 published 11/02/95, "Compsns contg retinyl salicylate or acetyl-salicylate - for pharmaceutical or cosmetic treatment of inflammation, general necrosis, intoxication, allergies, tumours, etc.".
GH	Derwent Abstract, Accession Number 15388893 for PCT Patent Publication WO 200344446 published 05/30/03, "Disposal of materials containing high-energy substances, especially shells, comprises recycling bulk material leaving a fluidized bed in a non-cooled state to a different inlet region than the materials for disposal".
GI	Derwent Abstract, Accession Number 8850667 for German Patent Application DD 291668 A published 07/11/91, "GnRH prepn. for oral use - consist of GNRH nucleus contg. detergent to promote resorption, inner coating which dissolves in the colon and outer coating".
GJ	Derwent Abstract, Accession Number 3209328 for Japanese Patent Applications JP 2218719 published 08/31/90 and JP 300732 published 01/07/1991, "Biodegradable polymers from polyol and ketene acetal - useful for making implants for delivering pharmaceuticals <i>et al.</i> "
GK	Derwent Abstract, Accession Number 8469383 for Japanese Patent application 3005419 published 01/11/91, "New percutaneous rate controlled delivery system - comprising drug, penetration enhancer and polymeric particles in a matrix layer".
GL	Deshpande <i>et al.</i> "Bioerodible polymers for ocular drug delivery," <i>Crit Rev Ther Drug Carrier Syst.</i> <u>15</u> (4):381-420 (1998)
GM	Dräger <i>et al.</i> , "Prolonged Intercostal Nerve Blockade in Sheep Using Controlled-release of Bupivacaine and Dexamethasone from Polymer Microspheres," <i>Anesthesiology</i> <u>89</u> (4):969-979 (1998)
GN	Duenas <i>et al.</i> , "Sustained Delivery of rhVEGF from a Novel injectable Liquid, PLAD," <i>Proceed. Int'l Symp. Control Rel. Bioact. Mater.</i> <u>28</u> :1041-1042 (2001)
GO	Einmahl <i>et al.</i> , "A viscous bioerodible poly(ortho ester) as a new biomaterial for intraocular application," <i>J Biomed Mater Res.</i> <u>50</u> (4):566-73 (2000)

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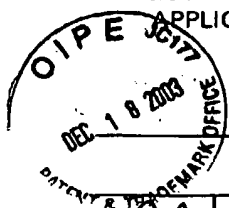
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GP	Einmahl <i>et al.</i> , "Concomitant and controlled release of dexamethasone and 5-fluorouracil from poly(ortho ester)," <i>Int J Pharm.</i> <u>185(2)</u> :189-98 (1999)
GQ	Geary <i>et al.</i> , "Vancomycin and insulin used as models for oral delivery of peptides," <i>J of Controlled Release</i> <u>23</u> :65-74 (1993)
GR	Heller <i>et al.</i> , "Controlled drug release from bioerodible hydrophobic ointments," <i>Biomaterials.</i> <u>11(4)</u> :235-7 (1990)
GS	Heller <i>et al.</i> , "Controlled release of water-soluble macromolecules from bioerodible hydrogels," <i>Biomaterials.</i> <u>4(4)</u> :262-6 (1983)
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GU	Heller <i>et al.</i> , "Poly(ortho ester) biodegradable polymer systems," <i>Methods Enzymol.</i> <u>112</u> :422-36 (1985)
GV	Heller <i>et al.</i> , "Controlled release of contraceptive steroids from biodegradable poly (ortho esters)," <i>Contracept Deliv Syst.</i> <u>4(1)</u> :43-53 (1983)
GW	Heller <i>et al.</i> Erratum to "Poly(ortho esters) - their development and some recent applications," <i>Eur J Pharm Biopharm.</i> <u>50(1)</u> :121-8. (2000) Review. Erratum in: <i>Eur J Pharm Biopharm</i> 2000 Sep; <u>50(2)</u> :327.
GX	Heller <i>et al.</i> , "Development and applications of injectable poly(ortho esters) for pain control and periodontal treatment," <i>Biomaterials</i> <u>23(22)</u> :4397-404 (2002)
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GZ	Heller J., "Modulated release from drug delivery devices," <i>Crit Rev Ther Drug Carrier Syst.</i> <u>10(3)</u> :253-305 (1993)
HA	Heller <i>et al.</i> , "Poly(ortho esters): synthesis, characterization, properties and uses," <i>Adv Drug Deliv Rev.</i> <u>54(7)</u> :1015-39 (2002)
HB	Heller J., "Controlled release of biologically active compounds from bioerodible polymers," <i>Biomaterials.</i> <u>1(1)</u> :51-7 (1980)
HC	Heller J., "The use of polymers in the construction of controlled-release devices," <i>NIDA Res Monogr.</i> <u>154</u> :107-31 (1995)
HD	Heller J., "Biodegradable polymers in controlled drug delivery," <i>Crit Rev Ther Drug Carrier Syst.</i> <u>1(1)</u> :39-90 (1993)

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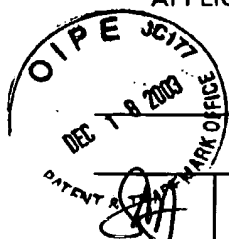
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HE	Heller J., "Preparation of Polyacetals by the Reaction of Divinyl Ethers and Polyols"; J. Polymer Sci. Polymer Letters Ed., 18,293-297 (1980)
HF	Kipper <i>et al.</i> , "Design of an Injectable system based on bioerodible polyanhydride microspheres for sustained drug delivery" <i>Biomaterials</i> 23:4405-4412 (2002)
HG	Leadley <i>et al.</i> , "The use of SIMS, XPS and in situ AFM to probe the acid catalysed hydrolysis of poly(orthoesters)," <i>Biomaterials</i> . 19(15):1353-60 (1998)
HH	Merkli <i>et al.</i> , "Synthesis and characterization of a new biodegradable semi-solid poly(ortho ester) for drug delivery systems," <i>J Biomater Sci Polym Ed.</i> 4(5):505-16 (1993)
HI	Merkli <i>et al.</i> , "Gamma sterilization of a semi-solid poly(ortho ester) designed for controlled drug delivery--validation and radiation effects," <i>Pharm Res.</i> 11(10):1485-91 (1994)
HJ	Merkli <i>et al.</i> , "Purity and stability assessment of a semi-solid poly(ortho ester) used in drug delivery systems," <i>Biomaterials</i> . 17(9):897-902 (1996)
HK	Milojevic <i>et al.</i> , "Amylose as a coating for drug delivery to the colon: preparation and vitro evaluation using 5-aminosalicylic acid pellets," <i>J of Controlled Release</i> 38:75-84 (1996)
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HN	Okumu <i>et al.</i> , "Sustained Delivery of Growth Hormone from a Novel Injectable Liquid, PLAD," <i>Proceed. Int'l Symp. Control Rel. Bioact. Mater.</i> 28:1029-1030 (2001)
HO	Press Release: "Advanced Polymer Systems Granted Two Composition of Matter Patents Related to its Bioerodible Polymer Technology," Advanced Polymer Systems News Release, October 1999
HP	Roberts <i>et al.</i> , "The Role of Neighboring Groups in Replacement Reactions .", J. Amer. Chem. Soc., 80:1247-1254 (1958)
HQ	Roskos <i>et al.</i> , "Development of a drug delivery system for the treatment of periodontal disease based on bioerodible poly(ortho esters)," <i>Biomaterials</i> , 16(4):313-7 (1995)
HR	Rothen-Weinhold <i>et al.</i> , "Release of BSA from poly(ortho ester) extruded thin strands," <i>J Control Release</i> , 71(1):31-7 (2001)

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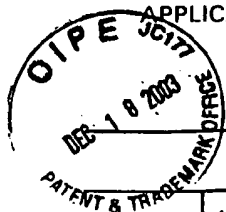
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SA	HS	Schwach-Abdellaoui <i>et al.</i> , "Optimization of a novel bioerodible device based on auto-catalyzed poly(ortho esters) for controlled delivery of tetracycline to periodontal pocket," <i>Biomaterials</i> . <u>22(12)</u> :1659-66 (2001)
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	HW	Sintzel <i>et al.</i> , "In vitro drug release from self-catalyzed poly(ortho ester): case study of 5-fluorouracil," <i>J Control Release</i> . <u>55(2-3)</u> :213-8 (1998)
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	IA	<u>Textbook of Polymer Science 3rd Ed.</u> Billmeyer, F.W. (ed.) New York: John Wiley & Sons Ch. 17 pp. 457-485 (1984)
	IB	Uyeda, C.T., "Agglutination of Cardiolipin-Coated Latex Particles with VDRL- And Kolmer-Positive Serums," <i>American Journal of Clinical Pathology</i> <u>40</u> :329-333 (1963)
	IC	van de Weert <i>et al.</i> , "Semi-solid self-catalyzed poly(ortho ester)s as controlled-release systems: protein release and protein stability issues," <i>J Pharm Sci</i> . <u>91(4)</u> :1065-74 (2002)
	ID	Wan <i>et al.</i> , "POE-PEG-POE triblock copolymeric microspheres containing protein. II. Polymer erosion and protein release mechanism," <i>J Control Release</i> . <u>75(1-2)</u> :129-41 (2001)
	IE	Yang <i>et al.</i> "POE/PLGA composite microspheres: formation and in vitro behavior of double walled microspheres," <i>J Control Release</i> . <u>88(2)</u> :201-13 (2003)
SA	IF	Yang <i>et al.</i> "POE-PEG-POE triblock copolymeric microspheres containing protein. I. Preparation and characterization," <i>J Control Release</i> . <u>75(1-2)</u> :115-28 (2001)

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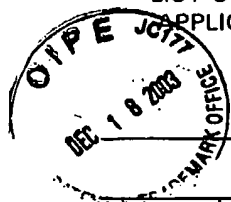
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	IG	Zignani <i>et al.</i> , "A poly(ortho ester) designed for combined ocular delivery of dexamethasone sodium phosphate and 5-fluorouracil: subconjunctival tolerance and in vitro release," <i>Eur J Pharm Biopharm.</i> <u>50(2)</u> :251-5 (2000)
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	APPLICANT(S) Steven Y. Ng et al.	
	FILING DATE	GROUP

U.S. PATENT DOCUMENTS

† EX'R INITIAL	* REF. #	PATENT NUMBER	DATE (MO/YR)	NAME	CLASS/ SUBCLASS	FILING DATE (If appropriate)
SA	1* ✓	4,079,038	03/1978	Choi et al.	260/47XA	
	2* ✓	4,093,709	06/1978	Choi et al.	424/19	
	3* ✓	4,131,648	12/1978	Choi et al.	424/22	
	4* ✓	4,138,344	02/1979	Choi et al.	252/1	
	5* ✓	4,180,646	12/1979	Choi et al.	528/153	
	6* ✓	4,304,767	12/1981	Heller et al.	424/78	
	7* ✓	4,532,335	07/1985	Helwing	549/335	
	8* ✓	4,764,364	08/1988	Heller et al.	424/78	
	9* ✓	4,855,132	08/1989	Heller et al.	424/78	
	10* ✓	4,946,931	08/1990	Heller et al.	528/230	
	11* ✓	4,957,998	09/1990	Heller et al.	528/220	
	12* ✓	5,518,730	05/1996	Fuisz	424/426	
	13* ✓	5,620,697	04/1997	Törmälä et al.	424/426	
	14* ✓	5,939,453	08/1999	Heller et al.	260/47XA	
	15* ✓	5,968,543	10/1999	Heller et al.	424/425	
SA	16* ✓	2002/0037300 A1	3/2002	Ng et al.		05/11/2001

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† EX'R INITIAL	* REF. #	COUNTRY	PATENT NUMBER	DATE (MO/YR)	APPLICANT	TRANSLATION
SA	17* ✓	WO	99/62983	12/1999	Advanced Polymer Systems, Inc.	Equiv. to #14
SA	18* ✓	WO	97/25366	07/1997	Advanced Polymer Systems, Inc.	Equiv. to #15

OTHER DOCUMENTS

† EX'R INITIAL	* REF. #	CITATION (Author, Article Title, Journal/Book Title, Date, Pertinent Pages, etc.)
SA	19*	Heller et al., "Preparation of Polyacetals by the Reaction of Divinyl Ethers and Polyols", <i>J. Polymer Sci., Polymer Letters Ed.</i> , 18 , 293-297 (1980)
	20*	Beyerstedt et al., "The Preparation And Properties of Ketene Diethylacetal", <i>J. Amer. Chem. Soc.</i> , 58 , 529-553 (1936)
	21*	Roberts et al., "The Role of Neighboring Groups in Replacement Reactions ...", <i>J. Amer. Chem. Soc.</i> , 80 , 1247-1254 (1958)
SA	22*	Corey et al., "Selective Cleavage of Allyl Ethers under Mild Conditions by Transition Metal Regents", <i>J. Org. Chem.</i> , 38 (18), 3224 (1973)

EXAMINER'S SIGNATURE <i>Sam A. Acouan</i>	DATE CONSIDERED <i>09/02/04</i>
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† EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609. Line through citation if not in conformance and not considered.
 Include copy of this form in next communication to applicant.

* If an asterisk is placed beside the reference number, a copy is not provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. 1.98(d).